

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re Application of )  
Naris Komolrochanaporn )  
 )  
Filed: Simultaneously Herewith )  
 )  
For: PUSH-PULL PIPE COUPLING )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 C.F.R. §1.56, applicant wishes to  
call the attention of the Examiner to the following references:

<u>U.S. Patent No.</u>	<u>Patentee</u>	<u>Issue Date</u>
3,874,709	MacDonald, R.	4/1/1975
4,146,254	Turner, L., et al.	3/27/1979
4,230,349	Normark, O.	10/28/1980
4,440,424	Mode, P.	4/3/1984
4,593,943	Hama, T., et al.	6/10/1986
4,722,558	Badoureaux, J.	2/2/1988
4,747,626	Hama, T., et al.	5/31/1988
4,895,395	Ceriani, G.	1/23/1990
4,919,457	Moretti, E.	4/24/1990
5,029,908	Belisaire, D.	7/9/1991
5,160,179	Takagi, F.	11/3/1992
5,193,856	Suzuki, S.	3/16/1993
5,205,568	Stoll, K., et al.	4/27/1993
5,487,572	Combot-Courrau, Y., et al.	1/30/1996
5,580,100	Umezawa, K., et al.	12/3/1996
5,681,058	Hwang, B.	10/28/1997
5,695,224	Grenier, W.	12/9/1997
5,911,443	LeQuere, P.	6/15/1999
5,957,509	Komolrochanaporn, N.	9/28/1999
6,224,114	Franzen, R., et al.	5/1/2001

INFORMATION DISCLOSURE STATEMENT  
Naris Komolrochanaporn, inventor  
For PUSH-PULL PIPE COUPLING  
page 2 of 2

6,312,019	Nakazumi, M., et al.	11/6/2001
6,367,802	Knapp, M.	4/9/2002
6,378,915	Katz, O.	4/30/2002
6,488,318	Shim, J.	12/3/2002

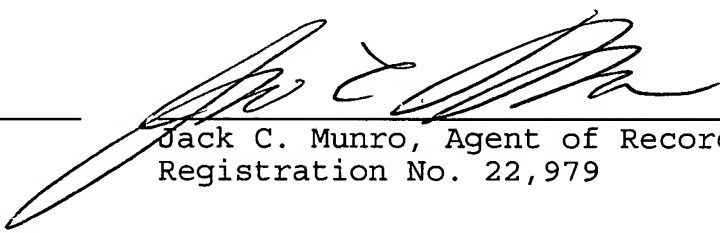
Copies of these references are submitted herewith along with form PTO-1449. These references were discovered during the performance of a preliminary patentability search in the United States Patent Office by a registered patent attorney.

Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted,

Date: \_\_\_\_\_

10/8/03

  
\_\_\_\_\_  
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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number	
				Filing Date	
				First Named Inventor	Komprochanaporn, Naris
				Art Unit	
				Examiner Name	
				Attorney Docket Number	
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-3874,709	04-01-1975	MacDonald, R.	
		US-4,146,254	03-27-1979	Turner, L., et al	
		US-4,230,349	10-28-1980	Normark, O.	
		US-4,440,424	04-03-1984	Mode, P.	
		US-4,593,943	06-10-1986	Hama, T., et al.	
		US-4,722,558	02-02-1988	Badoiriaux, J.	
		US-4,747,626	05-31-1988	Hama, T., et al.	
		US-4,895,395	01-23-1990	Ceriani, G.	
		US-4,919,457	04-24-1990	Moretti, E.	
		US-5,029,908	07-09-1991	Belisaire, D.	
		US-5,160,179	11-03-1992	Takagi, F.	
		US-5,193,856	03-16-1993	Suzuki, S.	
		US-5,205,568	04-27-1993	Stoll, K., et al.	
		US-5,487,572	01-30-1996	Combet-Corrau, Y., et al.	
		US-5,580,100	12-03-1996	Umezawa, K., et al.	
		US-5,681,058	10-28-1997	Hwang, B.	
		US-5,695,224	12-09-1997	Grenier, W.	
		US-5,911,443	06-15-1999	Le Quere, P.	
		US-5,957,509	09-28-1999	Komolrochanaporn, N.	
		US-6,224,114	05-01-2001	Franzen, R., et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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(use as many sheets as necessary)

Sheet 2 of 2

**Complete if Known**

Application Number

**Filing Date**

First Named Inventor	Komolratchanaporn, Nats
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## Art Unit

**Examiner Name**

Attorney Docket Number

[illegible]

Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Type of Document
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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